

**Flood Control Project Maintenance**  
**2016 Structure Summary Report**  
**Overall Unit and Item Ratings**

**Merced Streams Group**

**Black Rascal Creek Drop Structure**

Overall Unit Rating	Rated Item	Item Rating
<b>A</b>	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**2016 Structure Summary Report**  
**Overall Unit and Item Ratings**

**Merced Streams Group (cont.)**

**Owens Creek Siphon Structure**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Photo Documentation	N
	Vegetation & Obstructions	U
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	U
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2016 Structure Inspection Results**

**Merced Streams Group**

Structure
Black Rascal Creek Drop Structure

Structure Rating	A
Date of Inspection	8/3/2016
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.314667 °		37.314667 °
				-120.396101 °		-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_1					
Action/Comments						

Photo 1 of 3 : ST\_2016\_NA0013\_28\_1\_20160822\_00001.jpg



Looking at the Black Rascal Creek Drop Structure from the upstream side of structure. Unit 1 Right bank.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST\_2016\_NA0013\_28\_1\_20160822\_00002.jpg



Downstream side of Black Rascal Drop Structure from Unit 1.

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST\_2016\_NA0013\_28\_1\_20160822\_00003.jpg



This photo shows the safety fence around the structure Unit 1 and Unit 2.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_2				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_3				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_4				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			37.314667 °	37.314667 °	
				-120.396101 °	-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_5					
Action/Comments						
Inspector Comments: Revetment on the downstream side is in place and appears to be maintained.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_6				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_7				
Action/Comments					
Inspector Comments: There are no Culverts at this location.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_8				
Action/Comments					
Inspector Comments: The weir was notched out by the district to allow the water to flow downstream at lower water surface elevations.					

Photo 1 of 1 : ST\_2016\_NA0013\_28\_8\_20160822\_00006.jpg



This photo was used to show the downstream side of structure where the MID notched out a section in the concrete to allow water to flow through.

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_9				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_10				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_11				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_12				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_13				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_14				
Action/Comments					
Inspector Comments: No manual gates at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			37.314667 °		37.314667 °
				-120.396101 °		-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_15					
Action/Comments						
Inspector Comments: The concrete surface here is in good condition.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_16				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_17				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_18				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.314667 °	37.314667 °
				-120.396101 °	-120.396101 °
DWR ID	DWR_NA0013_28_t_2016_19				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Trash Rakes	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_20				
Action/Comments					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Other Metallic Items	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_21				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Monolith Joints	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_22				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Safety	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_23				
Action/Comments					
Inspector Comments: There are no safety hazards at this location that caused a problem or that poses an immediate threat.					

Photo 1 of 2 : ST\_2016\_NA0013\_28\_23\_20160901\_00007.jpg



Safety fencing along top of structure.

LM Start	0.00	Rating **	A	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2016\_NA0013\_28\_23\_20160901\_00008.jpg



Safety fencing along top of structure.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Operation & Maintenance Manual	37.314667 °		37.314667 °	
		-120.396101 °		-120.396101 °	
DWR ID	DWR_NA0013_28_t_2016_24				
Action/Comments					
Inspector Comments: O+M manual maintained at LMA office.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2016 Structure Inspection Results**

**Merced Streams Group**

Structure
Owens Creek Siphon Structure

Structure Rating	<b>M</b>
Date of Inspection	8/3/2016
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Photo Documentation				o		o
					o		o
DWR ID	DWR_NA0013_51_t_2016_1						
Action/Comments							

Photo 1 of 4 : ST\_2016\_NA0013\_51\_1\_20160830\_00001.jpg



Looking at the Owens Siphon Structure from up stream. 37.262901,-120.288081

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST\_2016\_NA0013\_51\_1\_20160830\_00002.jpg



Looking at the Owens Siphon structure. The vegetation has blocked two of the inlets. 37.262901,-120.288081

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>1 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST\_2016\_NA0013\_51\_1\_20160831\_00007.jpg



Owens Creek Siphon Structure Outlet. 37.262317,-120.288333

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	1 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Photo Documentation				°		°
					°		°
DWR ID	DWR_NA0013_51_t_2016_1						
Action/Comments							

Photo 4 of 4 : ST\_2016\_NA0013\_51\_1\_20160831\_00009.jpg



Top of Owens Creek Siphon Structure Inlet. 37.262901,-120.288081

LM Start	0.00	Rating **	U	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_2				
Action/Comments					
Inspector Comments: Remove the unwanted vegetation from within the structure.					

Photo 1 of 1 : ST\_2016\_NA0013\_51\_2\_20160830\_00003.jpg



Owens Creek Siphon Structure from upstream Inlet .

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_3				
Action/Comments					
Inspector Comments: Non-aquatic grasses present on shoal.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_4				
Action/Comments					
Inspector Comments: There was no erosion noted during inspecting of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			37.262901 °	37.262901 °
				-120.880810 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_5				
Action/Comments					
Inspector Comments: The revetment is secure on the Outlet end of the structure.					

Photo 1 of 1 : ST\_2016\_NA0013\_51\_5\_20160831\_00010.jpg



Owens Creek Siphon Structure Outlet.

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.262901 °	37.262901 °	
				-120.288081 °	-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_6					
Action/Comments						
Inspector Comments: No trash or debris was observed.						

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_7				
Action/Comments					
Inspector Comments: Remove the wild growth from in front of the Inlets before flood season.					

Photo 1 of 2 : ST\_2016\_NA0013\_51\_7\_20160830\_00004.jpg



The Inlets can not be seen completely due to tall weeds and brush growing in channel.

LM Start	<b>0.00</b>	Rating **	U	Issue No.	<b>7 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST\_2016\_NA0013\_51\_7\_20160831\_00008.jpg



The Outlet of Owens Creek Siphon Structure.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_8				
Action/Comments					
Inspector Comments: There are no breaks, holes, cracks in the culvert.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_9				
Action/Comments					
Inspector Comments: There are no pipes at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_10				
Action/Comments					
Inspector Comments: There are no trash racks at this location.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			37.262901 °		37.262901 °
				-120.288081 °		-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_11					
Action/Comments						
Inspector Comments: There are no flap gates on this structure.						

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_12				
Action/Comments					
Inspector Comments: There are no sluice / slide gates on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_13				
Action/Comments					
Inspector Comments: No electric gate operators exist.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_14				
Action/Comments					
Inspector Comments: There are no sluice/slide gates on this structure.					

No Photos

**\* Location**

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CR : Crown

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_15				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Tilting / Settlement			37.262901 °		37.262901 °
				-120.880810 °		-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_16					
Action/Comments						
Inspector Comments: There are no significant areas of tilting, sliding at this location.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_17				
Action/Comments					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>18</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Security Fencing			°	°
				°	°
DWR ID	DWR_NA0013_51_t_2016_18				
Action/Comments					
Inspector Comments: No safety / security fencing or gates exist or are needed.					

No Photos

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>19</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Closure Structures			°	°
				°	°
DWR ID	DWR_NA0013_51_t_2016_19				
Action/Comments					
Inspector Comments: This structure does not have a closure structure.					

No Photos

LM Start	<b>0.00</b>	Rating **	N	Issue No.	<b>20</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Trash Rakes			°	°
				°	°
DWR ID	DWR_NA0013_51_t_2016_20				
Action/Comments					
Inspector Comments: There are no trash rakes at the structure.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2016**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Other Metallic Items				°		°
					°		°
DWR ID	DWR_NA0013_51_t_2016_21						
Action/Comments							
Inspector Comments: There are no metallic parts at this structure.							

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	37.262901 °		37.262901 °	
		-120.288081 °		-120.288081 °	
DWR ID	DWR_NA0013_51_t_2016_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.262901 °	37.262901 °
				-120.288081 °	-120.288081 °
DWR ID	DWR_NA0013_51_t_2016_23				
Action/Comments					
Inspector Comments: There are no safety issues here at this structure that would cause any problems.					

No Photos

**\* Location**

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CR : Crown

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Structure 2016

### Merced Streams Group

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/03/2016 08/03/2016	Herman Phillips

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>24</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels		GPS Latitude/Longitude		
			Start	End	
Item	Operation & Maintenance Manual			°	°
				°	°
DWR ID	DWR_NA0013_51_t_2016_24				
Action/Comments					
Inspector Comments: The district has the O&M manual.					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement